

FIG. 10 illustrates a plurality of beacons in a situation where a moving path of the mobile robot includes a dead angle according to an aspect of the present invention; and

FIG. 11 schematically illustrates an operation to calculate the location of the mobile robot relative to the beacon based on the phase information according to an aspect of the present invention.

Please REPLACE the following paragraph inserted ^{before} ~~after~~ page 9, paragraph 0056, with the following paragraph:

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As shown in FIGS. 6B and 7B, each ~~transmitter 11~~ mirror 13, 15 rotates at the phase angles within the allowable rotation angle depicted in FIGS. 6A and 7A, respectively.